

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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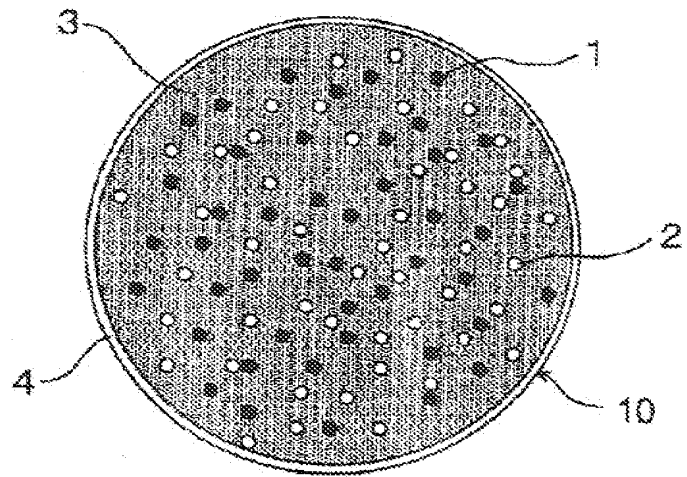
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TITLE : MICRO VALVE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a micro valve with a simple structure, easily controllable, replaceable and repairable as a flow control element for a fine passage of a micro machine or the like.

SOLUTION: This micro valve comprises a fine passage 8 and a micro valve element 10 disposed in the passage 8 to open or block passage 8. The micro valve element 10 contains a colloidal solution with electrically polarizable ferromagnetic ultra-fine particles 1 and diamagnetic ultra-fine particles 2 dispersed, in a micro capsule 4.

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